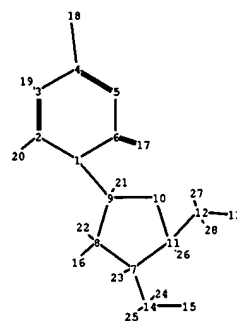
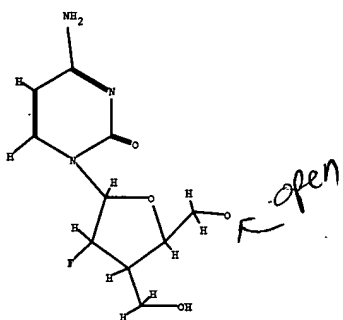


Formula I



chain nodes :

12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

ring nodes :

1 2 3 4 5 6 7 8 9 10 11

chain bonds :

1-9 2-20 3-19 4-18 6-17 7-14 7-23 8-16 8-22 9-21 11-12 11-26 12-13 12-27
12-28 14-15 14-24 14-25

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11

exact/norm bonds :

1-2 1-6 1-9 2-3 3-4 4-5 4-18 5-6 6-17 7-8 7-11 8-9 9-10 10-11 12-13 14-15

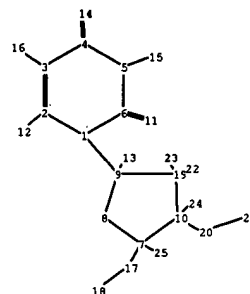
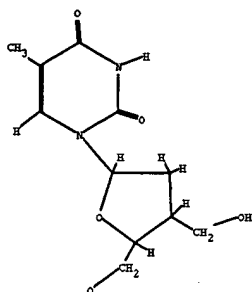
exact bonds :

2-20 3-19 7-14 7-23 8-16 8-22 9-21 11-12 11-26 12-27 12-28 14-24 14-25

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS

Formula II



chain nodes :

11 12 13 14 15 16 17 18 20 21 22 23 24 25

ring nodes :

1 2 3 4 5 6 7 8 9 10 19

chain bonds :

1-9 2-12 3-16 4-14 5-15 6-11 7-17 7-25 9-13 10-20 10-24 17-18 19-22 19-23
20-21

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-10 8-9 9-19 10-19

exact/norm bonds :

1-2 1-6 1-9 2-3 3-4 4-5 4-14 5-6 6-11 7-8 7-10 8-9 9-19 10-19

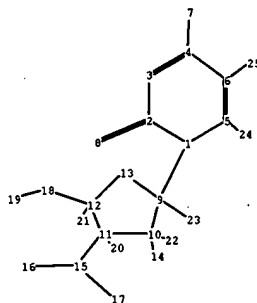
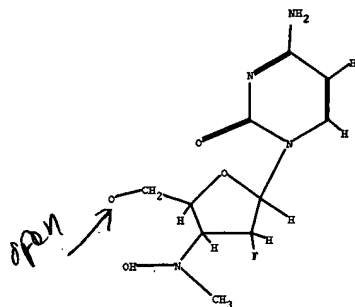
exact bonds :

2-12 3-16 5-15 7-17 7-25 9-13 10-20 10-24 17-18 19-22 19-23 20-21

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS

Formula III



chain nodes :

7 8 14 15 16 17 18 19 20 21 22 23 24 25

ring nodes :

1 2 3 4 5 6 9 10 11 12 13

chain bonds :

1-9 2-8 4-7 5-24 6-25 9-23 10-14 10-22 11-15 11-20 12-18 12-21 15-16 15-17
18-19

ring bonds :

1-2 1-5 2-3 3-4 4-6 5-6 9-10 9-13 10-11 11-12 12-13

exact/norm bonds :

1-2 1-5 1-9 2-3 2-8 3-4 4-6 4-7 5-6 9-10 9-13 10-11 11-12 11-15 12-13
15-16

exact bonds :

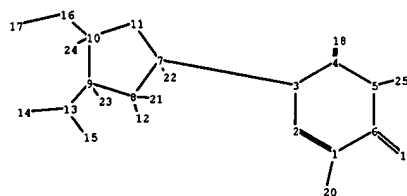
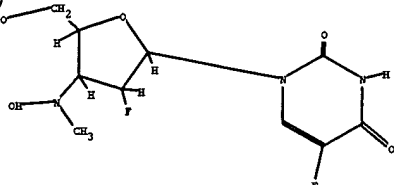
5-24 6-25 9-23 10-14 10-22 11-20 12-18 12-21 15-17 18-19

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS

Formula IV

open
↓



chain nodes :

12 13 14 15 16 17 18 19 20 21 22 23 24 25

ring nodes :

1 2 3 4 5 6 7 8 9 10 11

chain bonds :

1-20 3-7 4-18 5-25 6-19 7-22 8-12 8-21 9-13 9-23 10-16 10-24 13-14 13-15
16-17

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11

exact/norm bonds :

1-2 1-6 2-3 3-4 3-7 4-5 4-18 5-6 6-19 7-8 7-11 8-9 9-10 9-13 10-11 13-14

exact bonds :

1-20 5-25 7-22 8-12 8-21 9-23 10-16 10-24 13-15 16-17

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal600txm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS 4 OCT 03 MATHDI removed from STN
NEWS 5 OCT 04 CA/CAPplus-Canadian Intellectual Property Office (CIPO) added
to core patent offices
NEWS 6 OCT 13 New CAS Information Use Policies Effective October 17, 2005
NEWS 7 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download
of Caplus documents for use in third-party analysis and
visualization tools
NEWS 8 OCT 27 Free KWIC format extended in full-text databases
NEWS 9 OCT 27 DIOGENES content streamlined
NEWS 10 OCT 27 EPFULL enhanced with additional content
NEWS 11 NOV 14 CA/CAPplus - Expanded coverage of German academic research
NEWS 12 NOV 30 REGISTRY/ZREGISTRY on STN(R) enhanced with experimental
spectral property data
NEWS 13 DEC 05 CASREACT(R) - Over 10 million reactions available
NEWS 14 DEC 14 2006 MeSH terms loaded in MEDLINE/LMEDLINE
NEWS 15 DEC 14 2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER
NEWS 16 DEC 14 CA/CAPplus to be enhanced with updated IPC codes
NEWS 17 DEC 16 MARPATprev will be removed from STN on December 31, 2005

NEWS EXPRESS DECEMBER 02 CURRENT VERSION FOR WINDOWS IS V8.01,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 02 DECEMBER 2005.
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
<http://download.cas.org/express/v8.0-Discover/>

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
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NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE "HOME" ENTERED AT 14:38:01 ON 20 DEC 2005

=> file reg
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 14:38:10 ON 20 DEC 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 DEC 2005 HIGHEST RN 870234-75-6
DICTIONARY FILE UPDATES: 19 DEC 2005 HIGHEST RN 870234-75-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

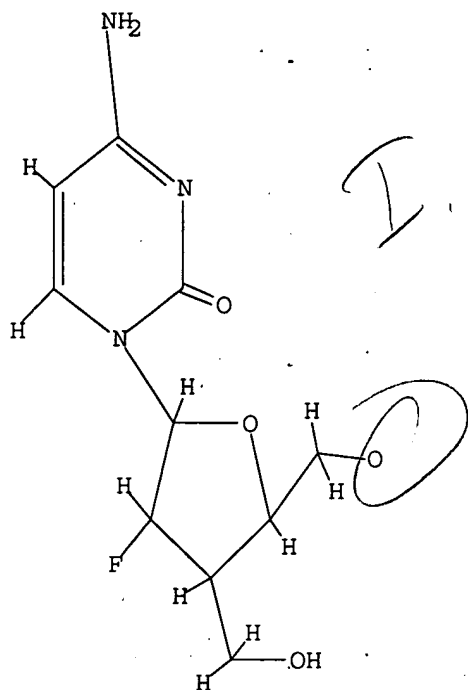
=>
Uploading C:\Program Files\Stnexp\Queries\098345961.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=>

Uploading C:\Program Files\Stnexp\Queries\09834596ii.str

L2 STRUCTURE UPLOADED

=> d 12

L2 HAS NO ANSWERS

L2 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=>

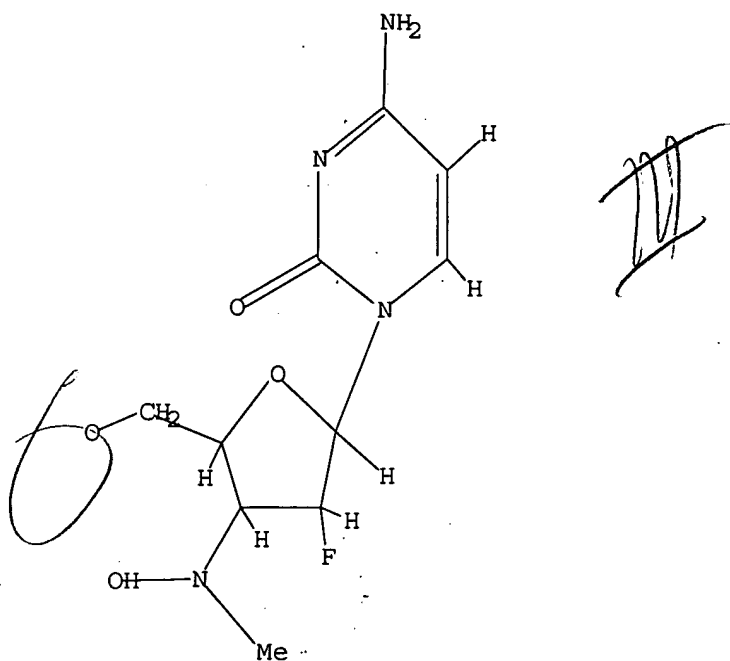
Uploading C:\Program Files\Stnexp\Queries\09834596iii.str

L3 STRUCTURE UPLOADED

=> d 13

L3 HAS NO ANSWERS

L3 STR

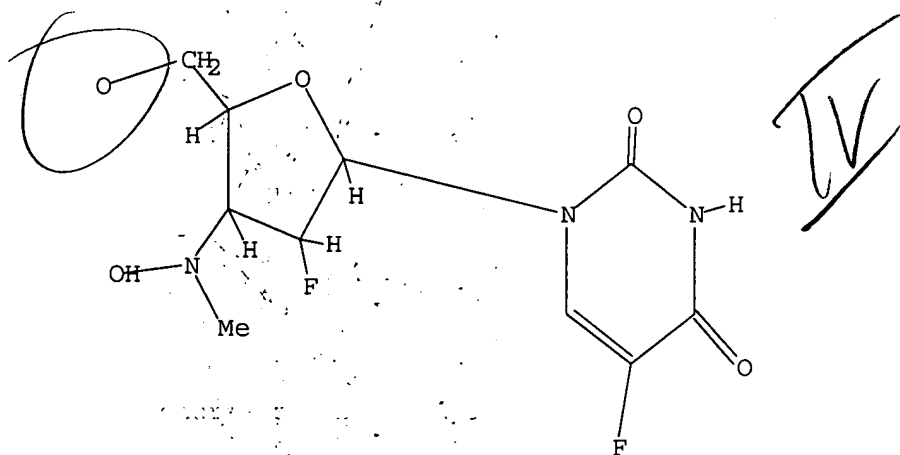


Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\09834596iv.str

L4 STRUCTURE UPLOADED

=> d 14
L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> d his

(FILE 'HOME' ENTERED AT 14:38:01 ON 20 DEC 2005)

FILE 'REGISTRY' ENTERED AT 14:38:10 ON 20 DEC 2005

L1 STRUCTURE UPLOADED
L2 STRUCTURE UPLOADED
L3 STRUCTURE UPLOADED
L4 STRUCTURE UPLOADED

=> s l1 sam

SAMPLE SEARCH INITIATED 14:39:58 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1 TO 80

PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 14:40:05 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

L6 2 SEA SSS FUL L1

=> s l2 sss full

FULL SEARCH INITIATED 14:40:11 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 724 TO ITERATE

100.0% PROCESSED 724 ITERATIONS

16 ANSWERS

SEARCH TIME: 00.00.01

L7 16 SEA SSS FUL L2

=> s l3 sss full

FULL SEARCH INITIATED 14:40:18 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 62 TO ITERATE

100.0% PROCESSED 62 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

L8 2 SEA SSS FUL L3

=> s l4 sss full

FULL SEARCH INITIATED 14:40:26 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 62 TO ITERATE

100.0% PROCESSED 62 ITERATIONS

4 ANSWERS

SEARCH TIME: 00.00.01

L9 4 SEA SSS FUL L4

=> s l6 or l7 or l8 or l9

L10 24 L6 OR L7 OR L8 OR L9

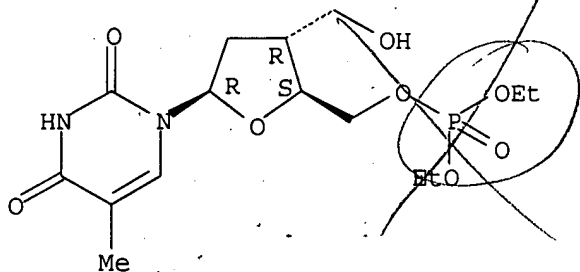
=> d 1-24 110

L10 ANSWER 11 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN

RN 858676-19-4 REGISTRY

ED Entered STN: 07 Aug 2005
 CN 5'-Thymidylic acid, 3'-deoxy-3'-(hydroxymethyl)-, diethyl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C15 H25 N2 O8 P
 SR CA
 LC STN Files: CA, CAPLUS

Absolute stereochemistry.

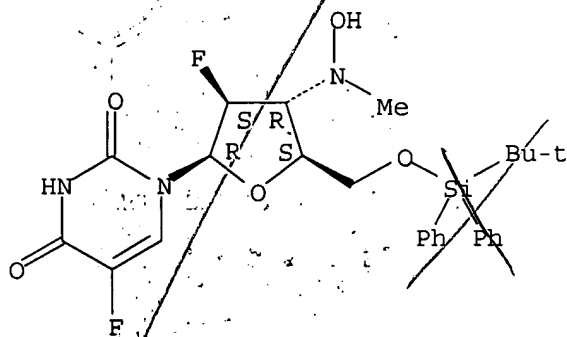


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 2 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 688036-16-0 REGISTRY
 ED Entered STN: 01 Jun 2004
 CN 2,4(1H,3H)-Pyrimidinedione, 1-[2,3-dideoxy-5-O-[(1,1-dimethylethyl)diphenylsilyl]-2-fluoro-3-(hydroxymethylamino)-β-D-arabinofuranosyl]-5-fluoro- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C26 H31 F2 N3 O5 Si
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



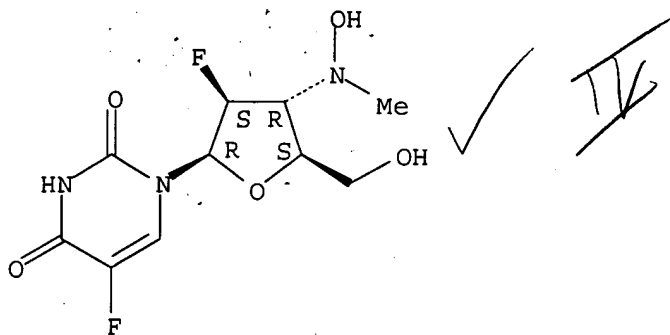
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 3 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 688036-15-9 REGISTRY
 ED Entered STN: 01 Jun 2004

CN 2,4(1H,3H)-Pyrimidinedione, 1-[2,3-dideoxy-2-fluoro-3-(hydroxymethylamino)-
 β -D-arabinofuranosyl]-5-fluoro- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C10 H13 F2 N3 O5
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

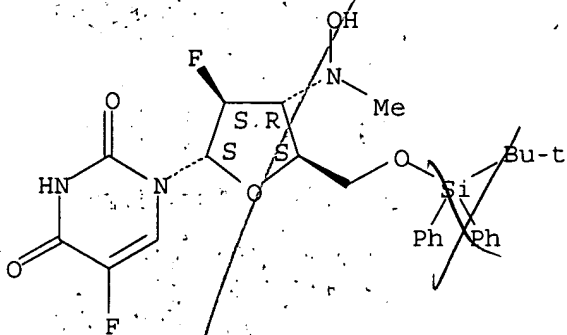


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 4 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 688036-07-9 REGISTRY
 ED Entered STN: 01 Jun 2004
 CN 2,4(1H,3H)-Pyrimidinedione, 1-[2,3-dideoxy-5-O-[(1,1-dimethylethyl)diphenylsilyl]-2-fluoro-3-(hydroxymethylamino)- α -D-arabinofuranosyl]-5-fluoro- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C26 H31 F2 N3 O5 Si
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



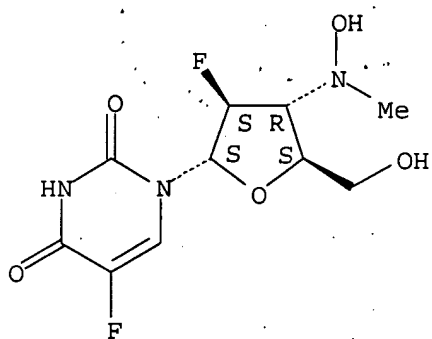
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 5 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN

RN 688036-01-3 REGISTRY
ED Entered STN: 01 Jun 2004
CN 2,4(1H,3H)-Pyrimidinedione, 1-[2,3-dideoxy-2-fluoro-3-(hydroxymethylamino)-
α-D-arabinofuranosyl]-5-fluoro- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C10 H13 F2 N3 O5
SR CA
LC STN Files: CA, CAPLUS, CASREACT

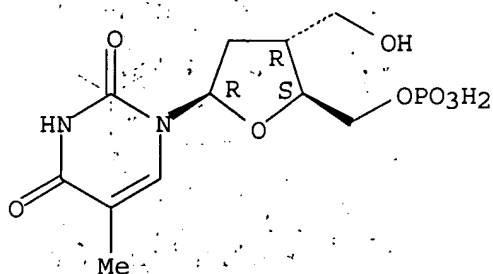
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
L10 ANSWER 6 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
RN 445249-34-3 REGISTRY
ED Entered STN: 28 Aug 2002
CN 5'-Thymidylic acid, 3'-deoxy-3'-(hydroxymethyl)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C11 H17 N2 O8 P
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

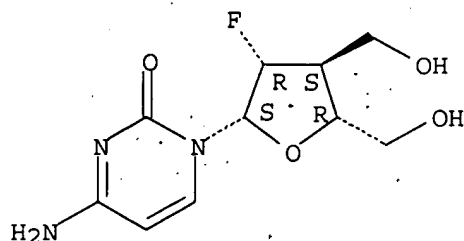


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)
L10 ANSWER 7 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
RN 367491-97-2 REGISTRY
ED Entered STN: 07 Nov 2001

CN 2(1H)-Pyrimidinone, 4-amino-1-[2,3-dideoxy-2-fluoro-3-(hydroxymethyl)-
 β -L-arabinofuranosyl]- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C10 H14 F N3 O4
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.

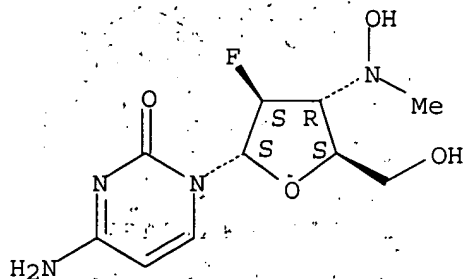


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 8 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 219841-81-3 REGISTRY
 ED Entered STN: 21 Feb 1999
 CN 2(1H)-Pyrimidinone, 4-amino-1-[2,3-dideoxy-2-fluoro-3-(hydroxymethylamino)-
 α -D-arabinofuranosyl]- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C10 H15 F N4 O4
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL

Absolute stereochemistry.



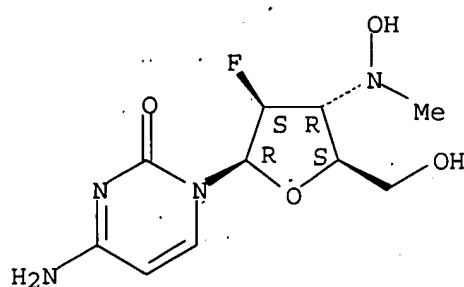
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 9 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 219841-80-2 REGISTRY
 ED Entered STN: 21 Feb 1999
 CN 2(1H)-Pyrimidinone, 4-amino-1-[2,3-dideoxy-2-fluoro-3-(hydroxymethylamino)-
 β -D-arabinofuranosyl]- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C10 H15 F N4 O4

SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL

Absolute stereochemistry.

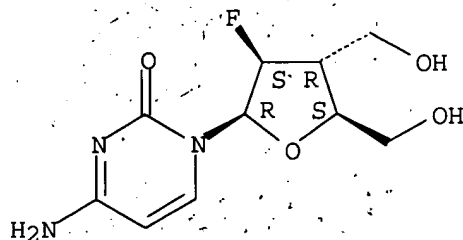


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 10 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
RN 181045-09-0 REGISTRY
ED Entered STN: 20 Sep 1996
CN 2(1H)-Pyrimidinone, 4-amino-1-[2,3-dideoxy-2-fluoro-3-(hydroxymethyl)-
β-D-arabinofuranosyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C10 H14 F N3 O4
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry. Rotation (+).

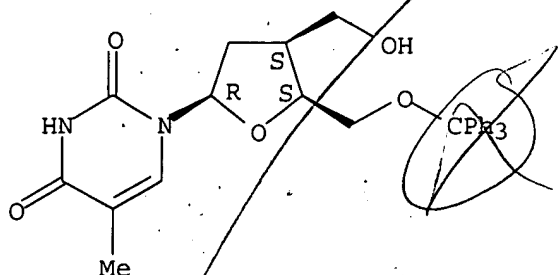


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 11 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
RN 172469-19-1 REGISTRY
ED Entered STN: 19 Jan 1996
CN 2,4(1H,3H)-Pyrimidinedione, 1-[2,3-dideoxy-3-(hydroxymethyl)-5-O-
(triphenylmethyl)-β-D-threo-pentofuranosyl]-5-methyl- (9CI) (CA
INDEX NAME)
FS STEREOSEARCH
MF C30 H30 N2 O5
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

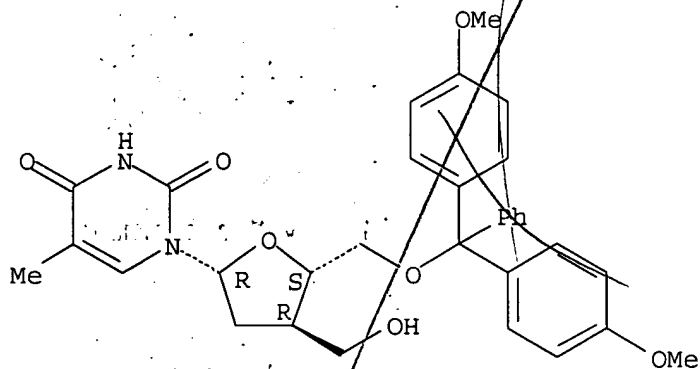


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 12 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
RN 164007-67-4 REGISTRY
ED Entered STN: 23 Jun 1995
CN Thymidine, 5'-O-[bis(4-methoxyphenyl)phenylmethyl]-3'-deoxy-3'-(hydroxymethyl)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C32 H34 N2 O7
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

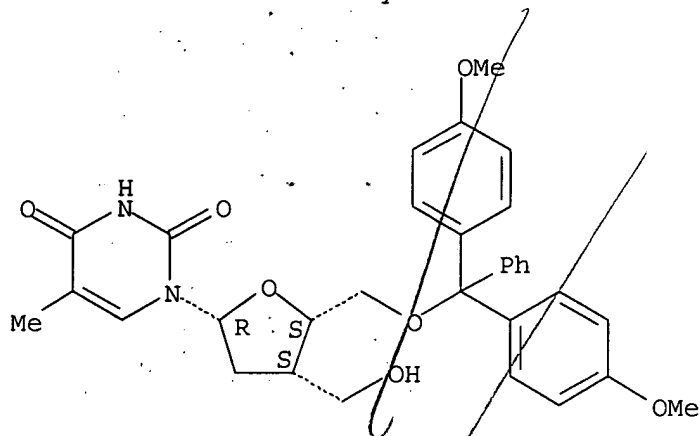


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 13 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
RN 154371-09-2 REGISTRY
ED Entered STN: 15 Apr 1994
CN 2,4(1H,3H)-Pyrimidinedione, 1-[5-O-[bis(4-methoxyphenyl)phenylmethyl]-2,3-dideoxy-3-(hydroxymethyl)-β-D-threo-pentofuranosyl]-5-methyl- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C32 H34 N2 O7
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER

Absolute stereochemistry.



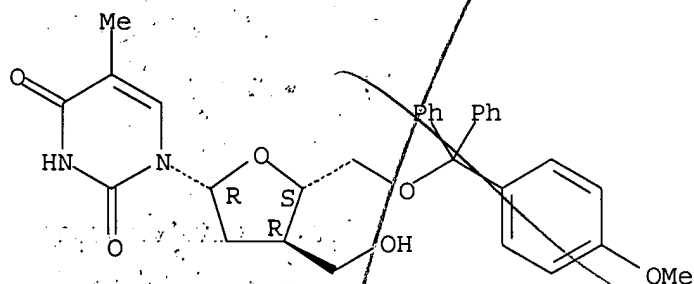
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 14 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
RN 150968-87-9 REGISTRY
ED Entered STN: 03 Nov 1993
CN Thymidine, 3'-deoxy-3'-(hydroxymethyl)-5'-O-[(4-methoxyphenyl)diphenylmethyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C31 H32 N2 O6
SR CA
LC STN Files: CA, CAPLUS, CASREACT, CHEMINFORMRX

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

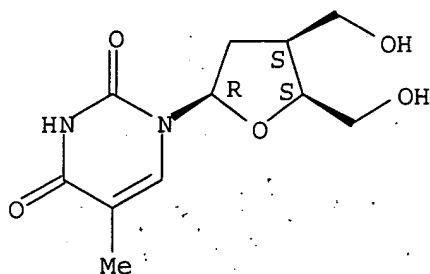
1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 15 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
RN 150968-76-6 REGISTRY
ED Entered STN: 03 Nov 1993
CN 2,4(1H,3H)-Pyrimidinedione, 1-[2,3-dideoxy-3-(hydroxymethyl)-beta-D-threo-pentofuranosyl]-5-methyl- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C11 H16 N2 O5
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, USPATFULL

(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)

4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 16 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN

RN 150968-74-4 REGISTRY

ED Entered STN: 03 Nov 1993

CN 2,4(1H,3H)-Pyrimidinedione, 1-[2,3-dideoxy-3-(hydroxymethyl)-5-O-[(4-methoxyphenyl)diphenylmethyl]-β-D-threo-pentofuranosyl]-5-methyl- (9CI) (CA INDEX NAME)

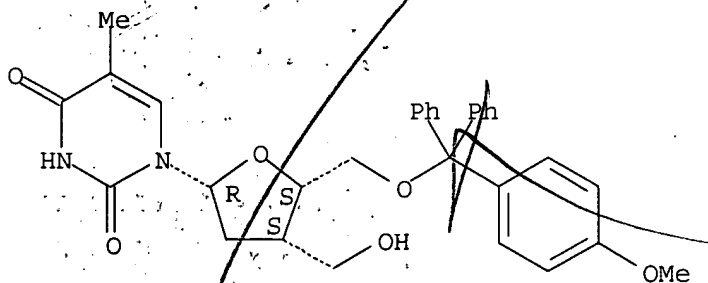
FS STEREOSEARCH

MF C31 H32 N2 O6

SR CA

LC STN Files: CA, CAPLUS, CASREACT, CHEMINFORMRX

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 17 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN

RN 146604-41-3 REGISTRY

ED Entered STN: 24 Mar 1993

CN Thymidine, 3'-deoxy-3'-(hydroxymethyl)-5'-O-(triphenylmethyl)- (9CI) (CA INDEX NAME)

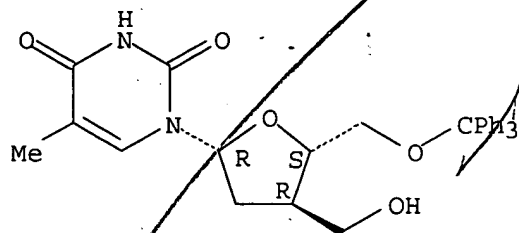
FS STEREOSEARCH=

MF C30 H30 N2 O5

SR CA

LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

11 REFERENCES IN FILE CA (1907 TO DATE)

11 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 18 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN

RN 146557-80-4 REGISTRY

ED Entered STN: 19 Mar 1993

CN Thymidine, 3'-deoxy-5'-O-[(1,1-dimethylethyl)diphenylsilyl]-3'-(hydroxymethyl)- (9CI) (CA INDEX NAME)

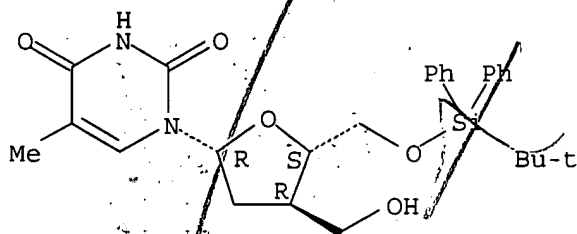
FS STEREOSEARCH

MF C27 H34 N2 O5 Si

SR CA

LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

15 REFERENCES IN FILE CA (1907 TO DATE)

15 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 19 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN

RN 143483-43-6 REGISTRY

ED Entered STN: 16 Sep 1992

CN 2,4(1H,3H)-Pyrimidinedione, 1-[2,3-dideoxy-3-(hydroxymethyl)- α -L-erythro-pentofuranosyl]-5-methyl- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

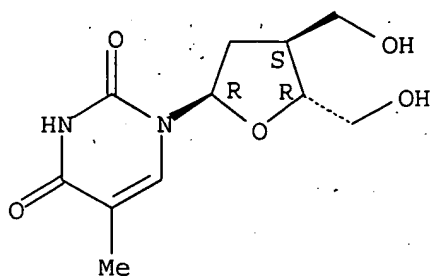
MF C11 H16 N2 O5

SR CA

LC STN Files: BEILSTEIN*, CA, CAPLUS, USPATFULL

(*File contains numerically searchable property data)

Absolute stereochemistry.

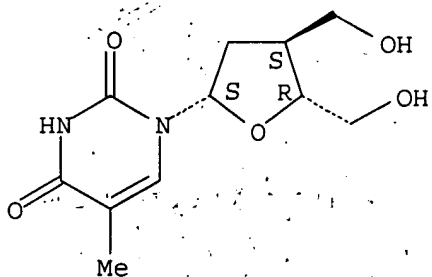


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2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 20 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
RN 143483-42-5 REGISTRY
ED Entered STN: 16 Sep 1992
CN 2,4(1H,3H)-Pyrimidinedione, 1-[2,3-dideoxy-3-(hydroxymethyl)- β -L-erythro-pentofuranosyl]-5-methyl- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C11 H16 N2 O5
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.

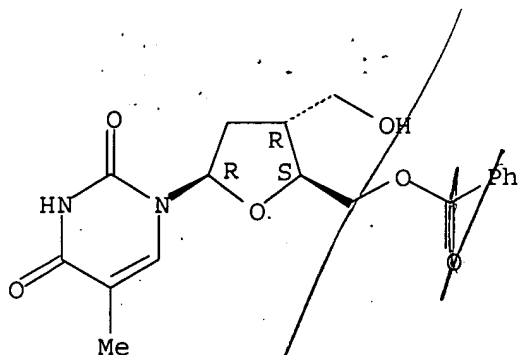


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 21 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
RN 142820-93-7 REGISTRY
ED Entered STN: 07 Aug 1992
CN Thymidine, 3'-deoxy-3'-(hydroxymethyl)-, 5'-benzoate (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C18 H20 N2 O6
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

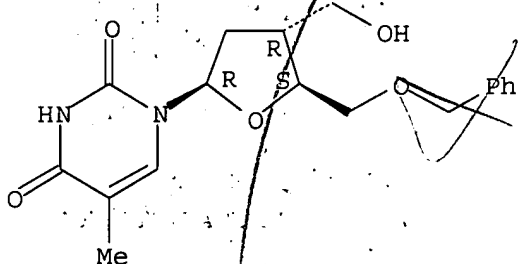


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 22 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
RN 133713-95-8 REGISTRY
ED Entered STN: 10 May 1991
CN Thymidine, 3'-deoxy-3'-(hydroxymethyl)-5'-O-(phenylmethyl)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C18 H22 N2 O5
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER

Absolute stereochemistry.

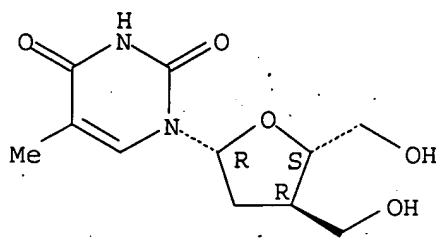


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3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 23 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
RN 132235-71-3 REGISTRY
ED Entered STN: 22 Feb 1991
CN Thymidine, 3'-deoxy-3'-(hydroxymethyl)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C11 H16 N2 O5
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMINFORMRX, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.

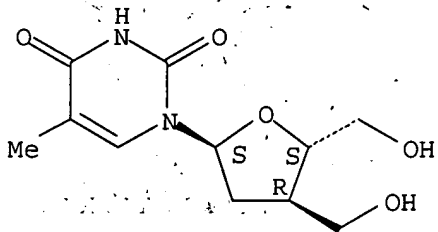


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14 REFERENCES IN FILE CA (1907 TO DATE)
14 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 24 OF 24 REGISTRY COPYRIGHT 2005 ACS on STN
RN 132235-70-2 REGISTRY
ED Entered STN: 22 Feb 1991
CN 2,4(1H,3H)-Pyrimidinedione, 1-[2,3-dideoxy-3-(hydroxymethyl)- α -D-erythro-pentofuranosyl]-5-methyl- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C11 H16 N2 O5
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMINFORMRX, TOXCENTER
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file.caplus.

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
689.91	690.12

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 14:41:25 ON 20 DEC 2005
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FILE LAST UPDATED: 19 Dec 2005 (20051219/ED)

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<http://www.cas.org/infopolicy.html>

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FILE 'REGISTRY' ENTERED AT 14:38:10 ON 20 DEC 2005

L1 STRUCTURE UPLOADED
L2 STRUCTURE UPLOADED
L3 STRUCTURE UPLOADED
L4 STRUCTURE UPLOADED
L5 0 S L1 SAM
L6 2 S L1 SSS FULL
L7 16 S L2 SSS FULL
L8 2 S L3 SSS FULL
L9 4 S L4 SSS FULL
L10 24 S L6 OR L7 OR L8 OR L9

FILE 'CAPLUS' ENTERED AT 14:41:25 ON 20 DEC 2005

=> s 110

L11 50 L10

(FILE 'HOME' ENTERED AT 14:38:01 ON 20 DEC 2005)

FILE 'REGISTRY' ENTERED AT 14:38:10 ON 20 DEC 2005

L1 STRUCTURE UPLOADED
L2 STRUCTURE UPLOADED
L3 STRUCTURE UPLOADED
L4 STRUCTURE UPLOADED
L5 0 S L1 SAM
L6 2 S L1 SSS FULL
L7 16 S L2 SSS FULL
L8 2 S L3 SSS FULL
L9 4 S L4 SSS FULL
L10 24 S L6 OR L7 OR L8 OR L9

FILE 'CAPLUS' ENTERED AT 14:41:25 ON 20 DEC 2005

=> s l10

L11 50 L10

=> s l11 and (hvc or hdv or hepatitis)

508 HVC

184 HVCS

609 HVC

(HVC OR HVCS)

697 HDV

14 HDVS

703 HDV

(HDV OR HDVS)

50551 HEPATITIS

L12 2 L11 AND (HVC OR HDV OR HEPATITIS)

=> d l12 bib abs hitstr

L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:714301 CAPLUS

DN 140:199600

TI Synthesis and Antiviral Evaluation of 2',3'-Dideoxy-2'-fluoro-3'-C-hydroxymethyl- β -D-arabinofuranosyl Pyrimidine Nucleosides

AU Hassan, Abdalla E. A.; Pai, Balakrina S.; Lostia, Stefania; Stuyver, Lieven; Otto, Michael J.; Schinazi, Raymond F.; Watanabe, Kyoichi A.

CS Pharmasset Inc., Tucker, GA 30084, USA

SO Nucleosides, Nucleotides & Nucleic Acids (2003), 22(5-8), 891-894

CODEN: MNNAFY; ISSN: 1525-7770

PB Marcel Dekker, Inc.

DT Journal

LA English

AB The synthesis and anti-HBV and anti-HIV activity of a number of 2',3'-dideoxy-2'-fluoro-3'-C-hydroxymethyl- β -D-arabinofuranosyl pyrimidine nucleosides are reported.

IT 181045-09-0

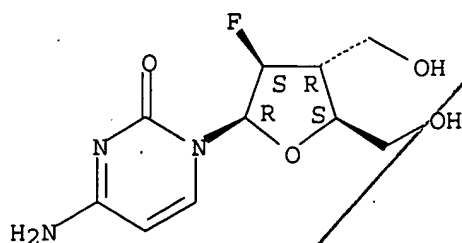
RL: PAC (Pharmacological activity); BIOL (Biological study)

(synthesis and antiviral evaluation of dideoxy-2'-fluoro-3'-hydroxymethyl- β -D-arabinofuranosyl pyrimidine nucleosides)

RN 181045-09-0 -CAPLUS

CN 2(1H)-Pyrimidinone, 4-amino-1-[2,3-dideoxy-2-fluoro-3-(hydroxymethyl)- β -D-arabinofuranosyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

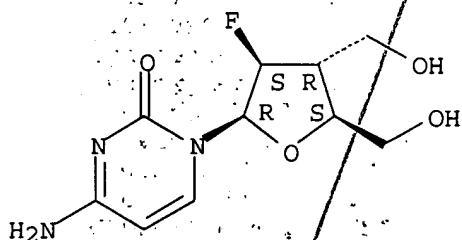


RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:714301 CAPLUS
DN 140:199600
TI Synthesis and Antiviral Evaluation of 2',3'-Dideoxy-2'-fluoro-3'-C-hydroxymethyl-β-D-arabinofuranosyl Pyrimidine Nucleosides
AU Hassan, Abdalla E. A.; Pai, Balakrishna S.; Lostia, Stefania; Stuyver, Lieven; Otto, Michael J.; Schinazi, Raymond F.; Watanabe, Kyoichi A.
CS Pharmasset Inc., Tucker, GA, 30084, USA
SO Nucleosides, Nucleotides & Nucleic Acids (2003), 22(5-8), 891-894
CODEN: NNNAFY; ISSN: 1525-7770
PB Marcel Dekker, Inc.
DT Journal
LA English
AB The synthesis and anti-HBV and anti-HIV activity of a number of 2',3'-dideoxy-2'-fluoro-3'-C-hydroxymethyl-β-D-arabinofuranosyl pyrimidine nucleosides are reported.
IT 181045-09-0
RL: PAC (Pharmacological activity); BIOL (Biological study)
(synthesis and antiviral evaluation of dideoxy-2'-fluoro-3'-hydroxymethyl-β-D-arabinofuranosyl pyrimidine nucleosides)
RN 181045-09-0 CAPLUS
CN 2(1H)-Pyrimidinone, 4-amino-1-[2,3-dideoxy-2-fluoro-3-(hydroxymethyl)-β-D-arabinofuranosyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



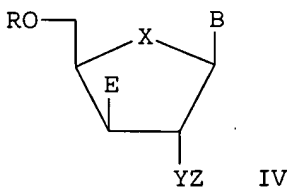
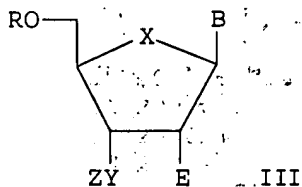
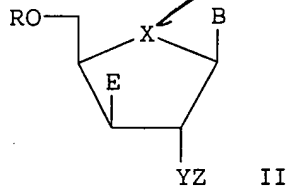
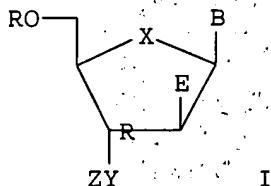
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2001:780927 CAPLUS
DN 135:318659
TI Preparation of 3'-or 2'-hydroxymethyl substituted nucleoside and nucleotides for treatment of hepatitis virus infections
IN Watanabe, Kyoichi A.; Pai, Balakrishna S.

PA Pharmasset, Ltd., Barbados
 SO PCT Int. Appl., 175 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001079246	A2	20011025	WO 2001-US12050	20010413
	WO 2001079246	A3	20020815		
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
✓ CA	2404639	AA	20011025	CA 2001-2404639	20010413
✓ US	2002055483	A1	20020509	US 2001-834596	20010413
EP	1284741	A2	20030226	EP 2001-932551	20010413
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP	2003532643	T2	20031105	JP 2001-576844	20010413
BR	2001010023	A	20031230	BR 2001-10023	20010413
PRAI	US' 2000-197068P	P	20000413		
	US' 2000-202663P	P	20000508		
	WO 2001-US12050	W	20010413		
OS	MARPAT 135:318659				
GI					

my Case



AB The present invention relates to a composition for and a method of treating **hepatitis B virus (HBV) infection, hepatitis C virus (HCV) infection, hepatitis D virus (HDV) infection** or a proliferative disorder in a patient using an effective amount of a compound selected from the group consisting of nucleoside or nucleotide I-IV mixts. of two or more wherein E is selected from the group consisting of H, OH, OMe, SH, SMe, NH₂, NHMe, N, F, Cl, Br, COH, CO₂-alkyl, OPh, OPhNO, NO,

NO₂, SCN, OCN, NCS, NCO, SO₂, SO₂; X is selected from the group consisting of O, S, NH, CH, CHF, CF; Y is selected from the group consisting of CH, NH, NOH, NMe, NEt, NOME, CHF, CF; Z is selected from the group consisting of H, OH, OMe, SH, SMe, F, Cl, Br, I, NH, NHMe; B is a nucleobase, R is a phosphate derivative. Pharmaceutical compns. comprising these compds. in combination with other HBV, HCV, or HDV agents is also disclosed. Thus, 1-[2,3-Dideoxy-2-β-fluoro-3-(N-hydroxy-N-iso-butylamino)-α-D-arabinofuranosyl]-5-fluoro-uracil was prepared and tested in vitro for its antiviral activity.

IT 132235-71-3P 150968-76-6P 219841-80-2P

219841-81-3P 367491-97-2P

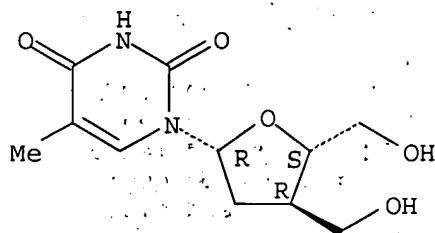
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of or hydroxymethyl substituted nucleoside and nucleotides for treatment of hepatitis virus infections)

RN 132235-71-3 CAPLUS

CN Thymidine, 3'-deoxy-3'-(hydroxymethyl)- (9CI) (CA INDEX NAME)

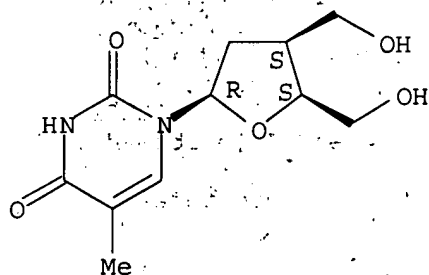
Absolute stereochemistry.



RN 150968-76-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 1-[2,3-dideoxy-3-(hydroxymethyl)-β-D-threo-pentofuranosyl]-5-methyl- (9CI) (CA INDEX NAME)

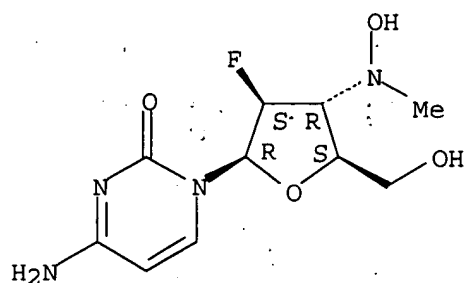
Absolute stereochemistry.



RN 219841-80-2 CAPLUS

CN 2(1H)-Pyrimidinone, 4-amino-1-[2,3-dideoxy-2-fluoro-3-(hydroxymethylamino)-β-D-arabinofuranosyl]- (9CI) (CA INDEX NAME)

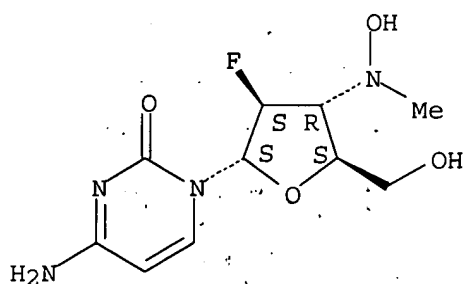
Absolute stereochemistry.



RN 219841-81-3 CAPLUS

CN 2(1H)-Pyrimidinone, 4-amino-1-[2,3-dideoxy-2-fluoro-3-(hydroxymethylamino)- α -D-arabinofuranosyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 367491-97-2 CAPLUS

CN 2(1H)-Pyrimidinone, 4-amino-1-[2,3-dideoxy-2-fluoro-3-(hydroxymethyl)- β -L-arabinofuranosyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

